

Considered: _____

WATER PERMIT NO. 5047-3

MAP No. same

Name of Applicant City of Hecla

Post Office Address Box 188 Hecla S.D.

Amount of Water Claimed 0.10 cfs Total Acres —

Source of Water Supply groundwater (Middle James-Columbia)

Water to be used for Mun County Brown

About _____ miles _____ of _____.

PROOF OF PUBLICATION: Received 1st 7-5-85 Not Received _____

APPLICATION: Approved 7-10-85 Subject to _____

F.F. & C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY _____ Date Received 2-14-85 Fee \$50⁰⁰ Remarks This permit
2-14-85 application is for one additional well and an additional 1 cfs

Corrected Application Received _____ Period of Annual Use year around

WATER QUALITY APPROVAL RECEIVED N.A. APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point SE⁴ SE⁴ section 22 T128N-R61W

Land to be Irrigated N.A.

	22				
		⊗			

Well Log: Driller No log available Licensed YES _____ NO _____

Depth of Well 98 feet REMARKS Well drilled in 1977

Type of Map Plot. PREPARED BY Gayle Lloyd & Kevin Larson Reviewed and the Number
assigned on 3-19-85 By Kevin C. Larson

No. 5047-3 Hydrologic Unit 10160003
 Map No. Same Basin James River
 Newspaper Independent Box 158 Hecla (Thurs)

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use of water: Industrial ☐ Commercial ☐ Municipal ☒ Other Common Distribution System ☐
 Rural Water System ☐ Suburban Housing ☐ Geothermal Heat ☐ Institutional ☐ Recreational ☐
 Domestic ☐ (above 18gpm) Other ☐

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐
☐ Amend Permit No. _____ with old priority date retained
 Change diversion point(s) ☐ Add diversion point(s) ☒ Other ☒ Additional diversion
☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____
☐ Construction to use water reserved by Future Use Permit No. _____

1. Name of Applicant City of Hecla Phone No. 994-2333
 Post Office Address Box 188 Hecla South Dakota State 57446
(Street, RR or Box) Zip Code

2. Amount of water claimed (c.f.s) 0.10

3. Source of water supply groundwater (Middle James-Columbia)

4. Location of point of diversion Well #5 100 feet north, 120 feet west of SE Corner of
Section 22, T128, R61W

County Brown

5. Counties where water will be used Brown

6. Annual period during which water is to be used January 1 to December 31

7. Give a brief description of proposed project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Vested Right No. 1903-3 was approved for 0.30 cfs from 3 wells. This permit is for one additional well and 0.10 cfs additional from the four wells

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)
 County of _____)

I, City of Hecla the applicant, certify that I have read the foregoing application, have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

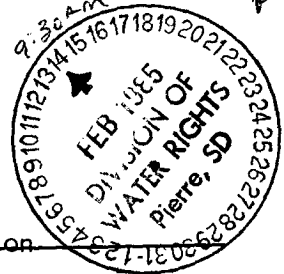
Signed Matt Larsen

Subscribed and sworn to before me this 12th day of Feb 1985

FRANCES EISEN

Notary Public, BROWN COUNTY, S. DAK.
 My Commission Expires SEPT. 21, 1987

Frances Eisen
 Notary Public (or other qualified officer)



WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 5047-3
City of Hecla Box 188 Hecla
(Applicant) (Post Office Address)
South Dakota 57446 With the following qualifications.
(State) (Zip Code)

The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

Date of first receipt of application February 14, 1985.
 Date of return to applicant for correction, amendments or changes required , 19 .
 Date of receipt of corrected application , 19 . Approved July 10, 1985.

The Water Management Board hereby approves this Water Permit No. 5047-3 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is February 14, 1985.
2. The equivalent of at least one-fifth of the specified work is to be completed on or before , 19 .
3. The whole of said work is ~~to be completed on or before~~ , 19 .
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is , 19 .
5. The water appropriated shall be used for the purpose of municipal water supply
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 0.10 cubic feet per second; neither shall it exceed the capacity of the above described water supply system nor shall it exceed the amount of water needed for beneficial uses served and to which water is actually and beneficially applied for municipal purposes on or before , 19 ; said water to be used during the following described annual period: January 1 To December 31

WATER MANAGEMENT BOARD
 By: John Hecla
Chief Engineer
 Division of Water Rights
 Dept. of Water and Natural Resources
SEP 11 1985, 19

Supplemental Information

(type or print in ink)

Wells # 2, 4, 5
(1954, 1964, 1977)

1. Well Information - Proposed construction

- a) Drill Hole Diameter _____ Depth 98', 98', 98'
- b) Casing Type _____ Diameter 4", 6", 10" Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack Thickness _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth of Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:
On applicants property _____ On property owned by others _____

2. Dugout Information Estimates

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam please give their name and address

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Outlet Dimensions:

Pipe diameter _____

Spillway width _____

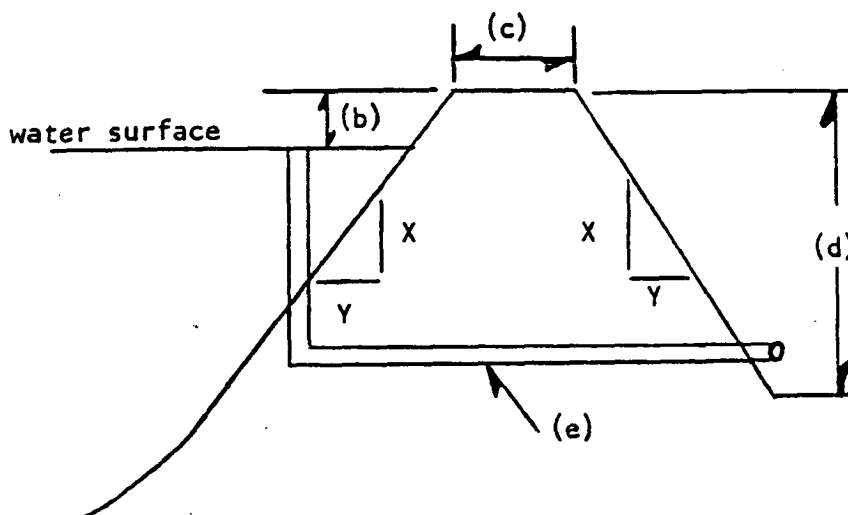
f) X & Y Slope
Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant _____

Yes No N/A

Bacteriological Sample(s)

- a. How many samples were collected? -----
1. # safe: _____ # unsafe: _____
- b. Have unsafe bacteriological samples been collected recently?
1. If yes, describe what has been done to eliminate the source of contaminants: _____
- c. Are bacteriological samples being submitted as required?

	X	
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X		
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14. Chemical Sample(s)

- a. # of samples collected and type: One raw complete sample from Well #4

15. Certification

- a. Is a certified operator required?
- b. Is the operator certified? Delwyn Tisher - Water Treatment Class I
- c. Does the operator desire training, PLP and/or certification?

	X	
X		
X		

16. Water Rights

- a. Have water rights been obtained?
1. License or permit #(s): 1903-3 for three wells of which only one (Well #3) is currently being used.

X		
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17. Improvements

- a. Are improvements planned to the water system?
1. If yes, describe: Want to build tower and work on high lift pumps

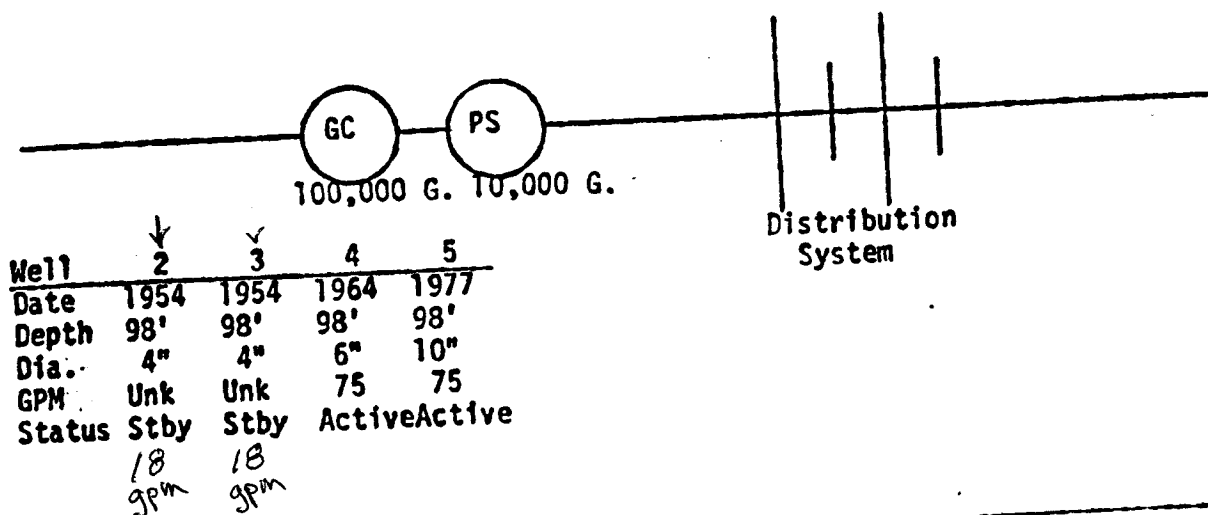
X		
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18. General Comments:

19. Flow Diagram of Facility: Hecla, SD

Inorganics last done-12/20/83
Rads last done-10/24/84

Four Wells



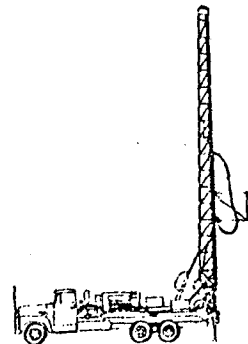
RECOMMENDATIONS: See Attached Sheet(s)

WNR-601-9/79

INDEPENDENT DRILLING COMPANY

2001 10TH PLAZA

HECLA, S. D. 57401



MAILING ADDRESS: P. O. BOX 543
OFFICE PHONE: 229-0110

14 February 1977

Honorable Mayor and City Council
City of Hecla
Hecla, South Dakota 57446

Gentlemen:

The following is our proposal for the additions to your water system:

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
1.	Drilling formation test hole	120 ft.	\$3.00	\$ 300.00
2.	Drilling 15½" hole	100 ft.	34.50	3450.00
3.	Installing 12" steel casing	90 Ft.	22.00	1980.00
4.	Installing 12" Johnson screen	10 ft.	90.00	900.00
5.	Grouting well casing	L.S.	L.S.	350.00
6.	Test Pumping	per hour	42.00	1008.00
Total-----				\$8048.00
7.	Submersible Pump & Motor 10HP 220V 3-Ph 200gpm @ 120' TDH	1 ea.	L.S.	2787.00
8.	Lightning arrestor	1 ea.	L.S.	65.45
9.	Water meter	1 ea.	L.S.	575.00
10.	Liquid Level Control	1 ea.	L.S.	60.00

The pump and control equipment quotation is offered for consideration only. The final conditions determined in the field may indicate equipment of a size and cost different than the above. Final selection of equipment will be determined by the City Council. The Council will then direct the contractor to order the equipment and will reimburse the contractor at the invoice cost for equipment and freight plus ten per-cent for installation.

While more than one test hole may be involved in the project; the City shall not be charged for the test hole if a final type well is developed at the same location.

Sincerely,

Independent Drilling Company, Inc.

Robert F. Arend
Robert F. Arend, President

DEEP WATER WELL DRILLERS

INDEPENDENT
DRILLING
CO.

Modern Rotary Rigs - All Managed By An Expert Operator

We Specialize In All Size Wells

(1) WELL CONSTRUCTION

Well owner City of Hecla Hecla, South Dakota
(Name) (Address) Replacement for

Date well drilling completed 6-18-77 Purpose of well Municipal wells 2&3
(domestic, irrigation, municipal, industrial, other)

[illegible]

Depth to top of water producing aquifer _____ 86 ft.
Depth to static water level _____ 30 ft.
Name of producing aquifer (if known) _____ Drift
Total depth of drill hole _____ 99 ft.
Depth to bottom of casing _____ 86'-10" ft.

86'-10" of 12" Sched 40, Blk, T&C cemented in place
15' of Johnson 12" Nominal screen

15" of Johnson Stainless Steel Screen, #65 slot
w/lead packer at top and 2" L.H. female thd.
@ bottom

Robert E. Gurnea
Independent Drilling Company, Inc.

Company name and size of pump Reda HP 7½
Type of pump Submersible Capacity of installed pump 125 G.P.M.
Depth of pump placement 85 ft., Date of pump installation 6-18-77

Show exact vertical length of water surface measuring tube, when installed 86 ft., tube diameter $\frac{1}{4}$, tube material plastic.

Robert S. Freeman
Independent Drilling Company, Inc.
Name of Pump Installation Contractor

Redg
7 1/2 H.P. 230 V 3 ϕ 56110
Mtr - #5- 37081
Pump - #5- 23114

RECEIPT

Division of Water Rights

No 4 9946

South Dakota Department of Water and Natural Resources

Pierre, February 14, 19 85

RECEIVED OF City of Hecla, Box 188 Hecla, SD 57446

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. 5047-3 to Appropriate Water, to construct works and to put water to beneficial use	50	00
Fee for Application for Permit No. to Appropriate Water for Future Use		
Fee to retain Future Use Permit No. after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No.		
Fee for Filing Transfer Form		
Fee for Filing Extension Request		
Fee for Certified Copy of		
Fee for Print Copy of Map		
Fee for Certifying		
Fee for (Any Other Work Provided by Law)		
Total	50	00

By

Chief Engineer

JOHN HATCH/ms



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

January 29, 1985

City of Hecla
Mayor Matt Caspers
Box 188
Hecla SD 57446

Mayor Caspers:

I recently received the permit application for the City of Hecla. After reviewing this application and Water Permit No. 1903-3, I have some questions concerning these wells. The following information was taken from the permits: all distances are reference to SE corner of Section 22.

Permit No. 1903-3 approved November 10, 1971 for 0.3 cfs

Well #	date drilled	location
1	1954	600 ft N, 200 ft W <i>actually #2 & wrong measurement</i>
2	1954	200 ft N, 200 ft W <i>actually #3</i>
3	1964	200 ft N, 260 ft W <i>actually #4</i>

New Application received January 24, 1985

Well #	date drilled	location
2	1954	730 ft N, 150 ft W <i>correct # + measurement</i>
4	1964	200 ft N, <u>430 ft W</u> <i>260 ft W</i>
5	1977	100 ft N, 120 ft W <i>correct</i>

I have enclosed a map that shows the above. Are any of the wells listed on Permit No. 1903-3 the same as the ones on the new application? If so which ones? Is the assumed scale of 1 inch = 300 feet correct? Which of the wells listed on Permit No. 1903-3 is currently being used? Any information you may have concerning this would help in getting the Cities water rights properly filed. If you have any further questions please contact me.

Thank you,

KEVIN C LARSON
Natural Resources Engineer

KCL:ks

enclosure



1/30/85

Permit # 1903-3 approved Nov. 10, 1971 for 0.3 cfs

on 1971 permit the locations ~~are~~ (except for #1) are right but well numbers are wrong. Should be:

Well #1 is actually our #2

Well #2 is actually our #3

Well #3 is actually our #4

#1 Well is old artesian well that has been abandoned & is located on west side of map.

All we need is water rights for wells #2-3-4-5 as listed on map we are sending with this.

To make things easier - should we re-number our wells to match Permit #1903-3?

If you have any further questions, we can be reached at 994-2333 from 9 to 4 on Monday thru Thursday.



Sincerely,
Clyde J. Shick
Dale Lloyd, Deputy

REPORT ON APPLICATION NO. 5047-3

CITY OF HECLA

March 27, 1985

Application No. 5047-3, City of Hecla, is for one additional point of diversion and 0.10 cubic feet per second of ground water for municipal use. This application plus Permit No. 1903-3 will allow the City to divert 0.40 cfs from 4 wells. The well is location in the SE 1/4 SE 1/4 Section 22, T128N, R61W.

The well is 98 feet deep and withdraws water from the Middle James-Columbia (MJ-C) management unit. The MJ-C contains an estimated 1,376,000 acre feet of recoverable water (Hedges, 1982). There are approximately 18,483 acre-feet of water appropriated from the MJ-C management unit. This is 1.3 percent of the total recoverable water. The MJ-C unit is under artesian head conditions. The observation well record indicates that the head pressure fluctuates a maximum of 60 feet (see attached hydrographs). Even though there are large fluctuations in the water levels, the aquifer is not being depleted and the water levels recover when irrigation stops.

Conclusions

1. Unappropriated water is available for Application No. 5047-3 from the Middle James-Columbia management unit.
2. Observation wells exist and are being monitored in the Middle James Columbia Unit.
3. The operation of the well for Application No. 5047-3 will not interfere with existing permits.

Gale M. Selken P.E.
GALE SELKEN, P.E.
Hydrologist III

References

Hedges, (etal) Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, 1982
Division of Water Rights files and observation well files (unpublished).

BUR. NOR.

HUFFTON

SEC. 30 — T 125 N — R 60 W

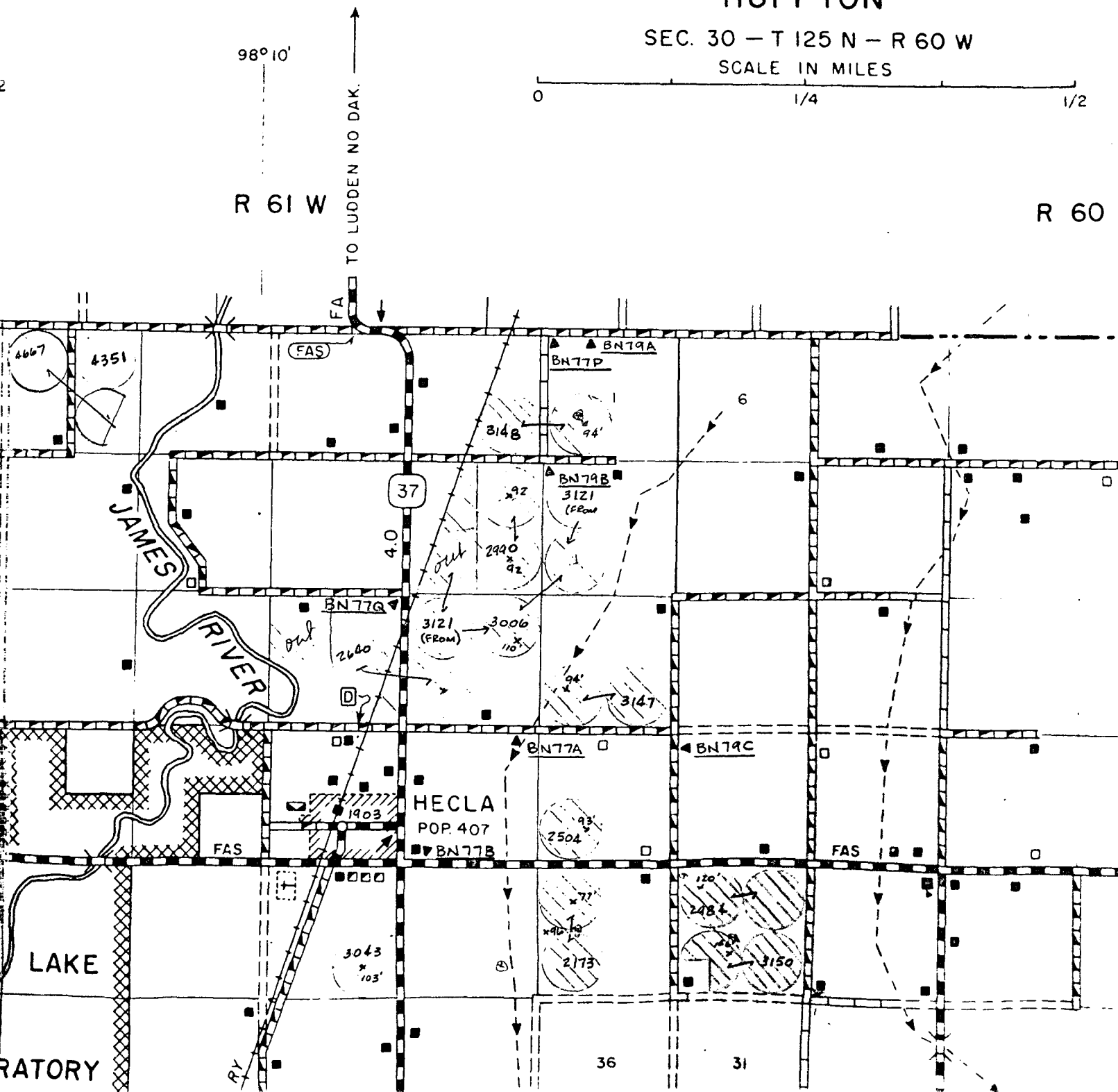
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R 61 W

R 60



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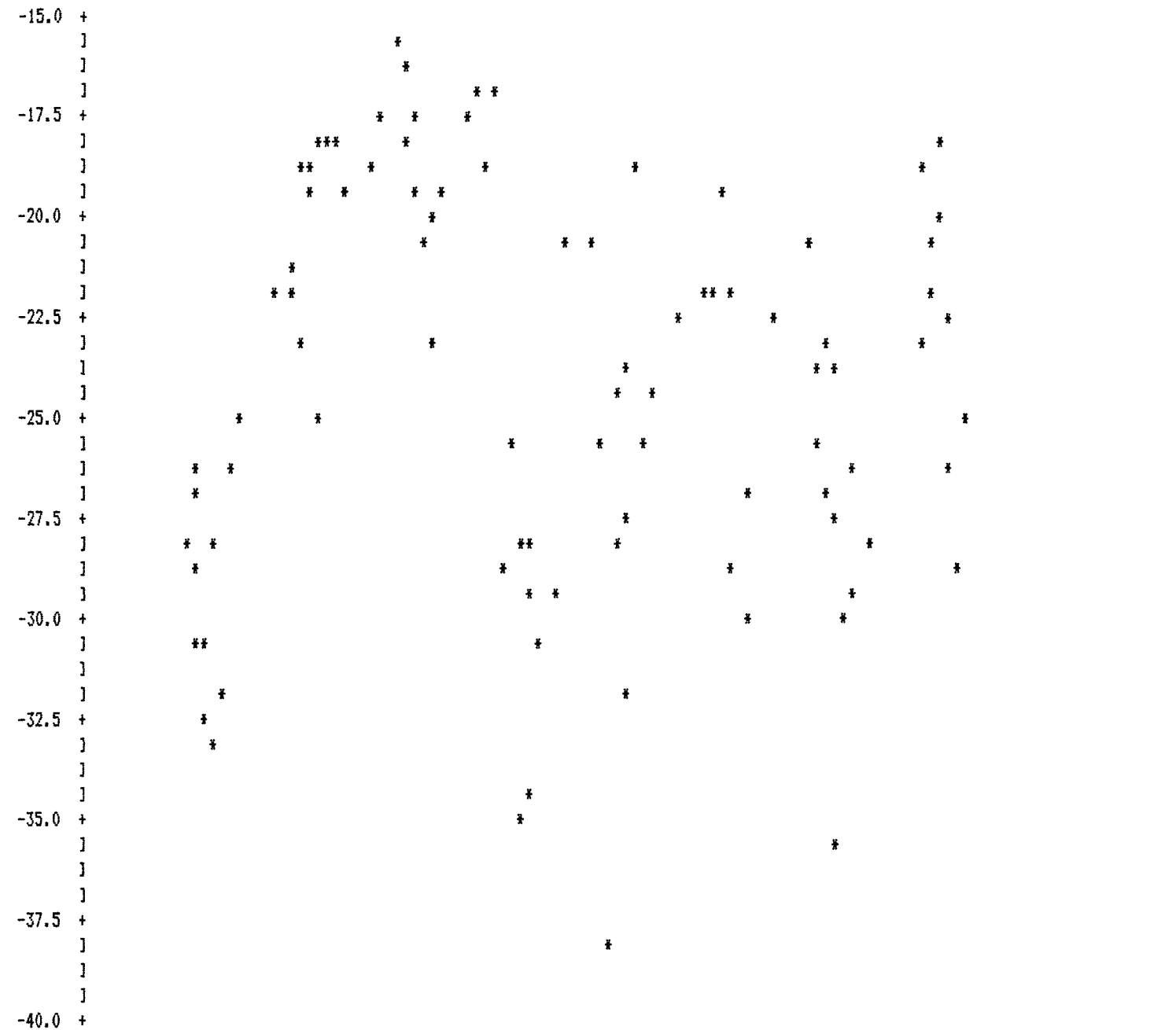
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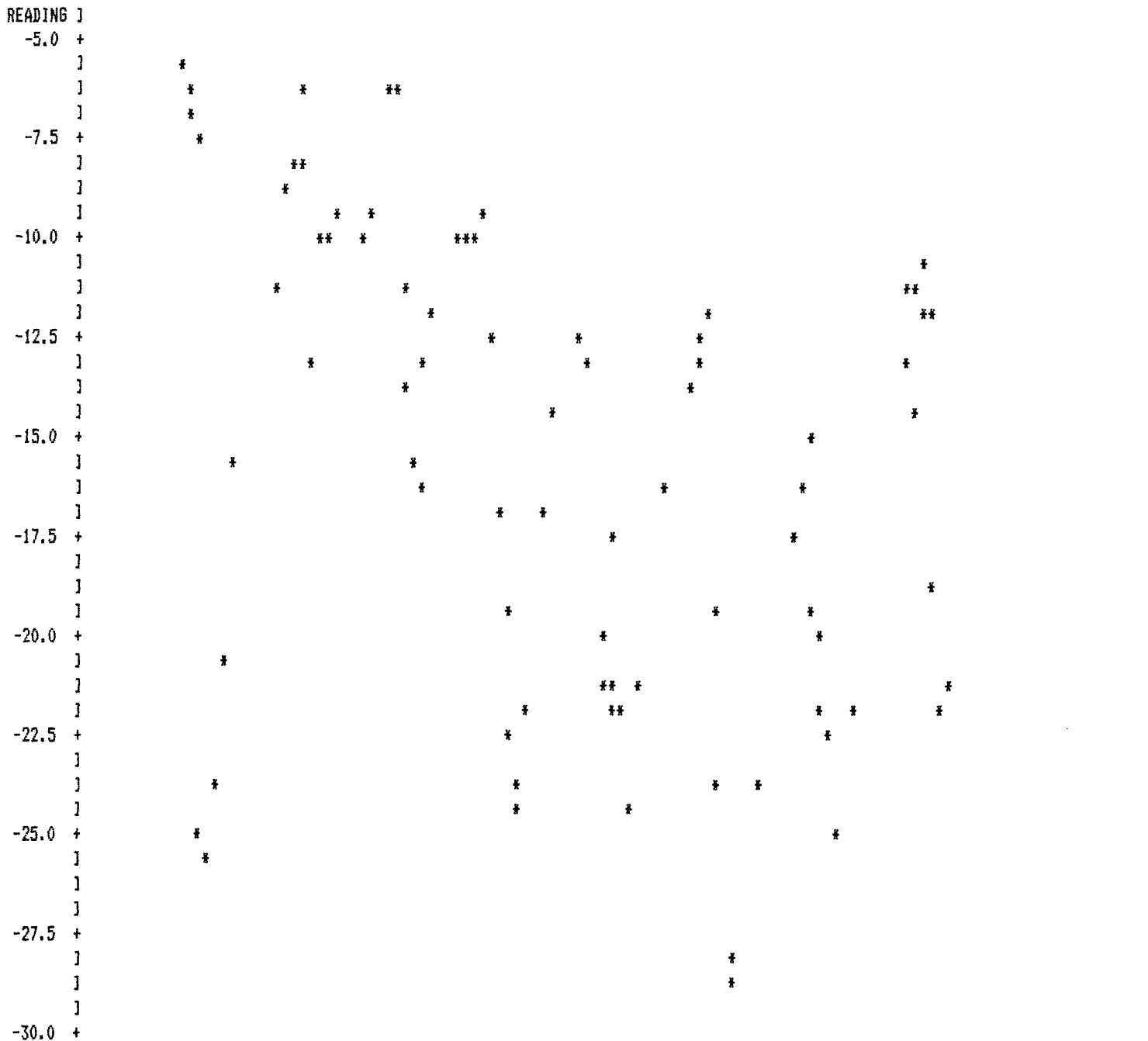
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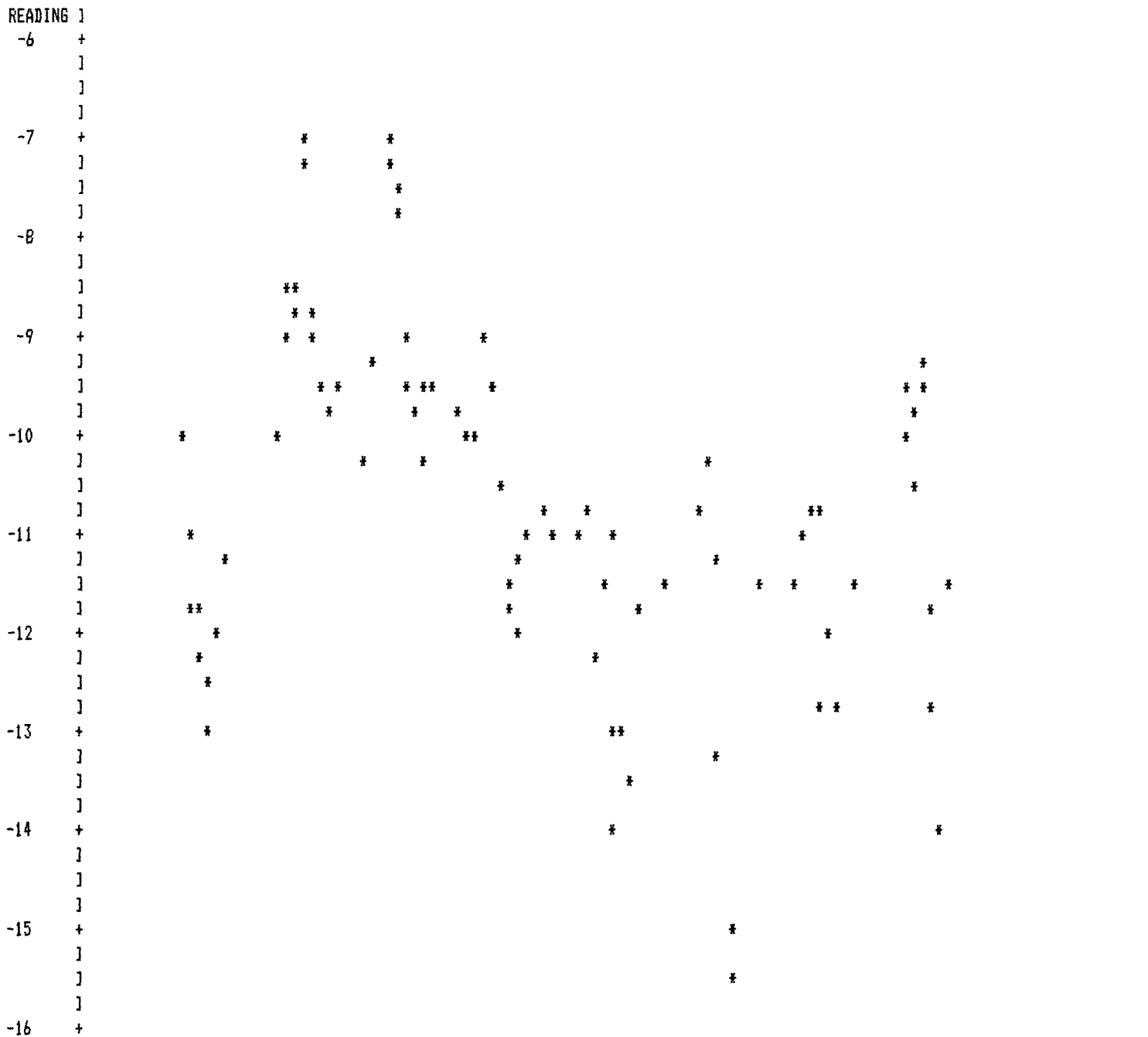
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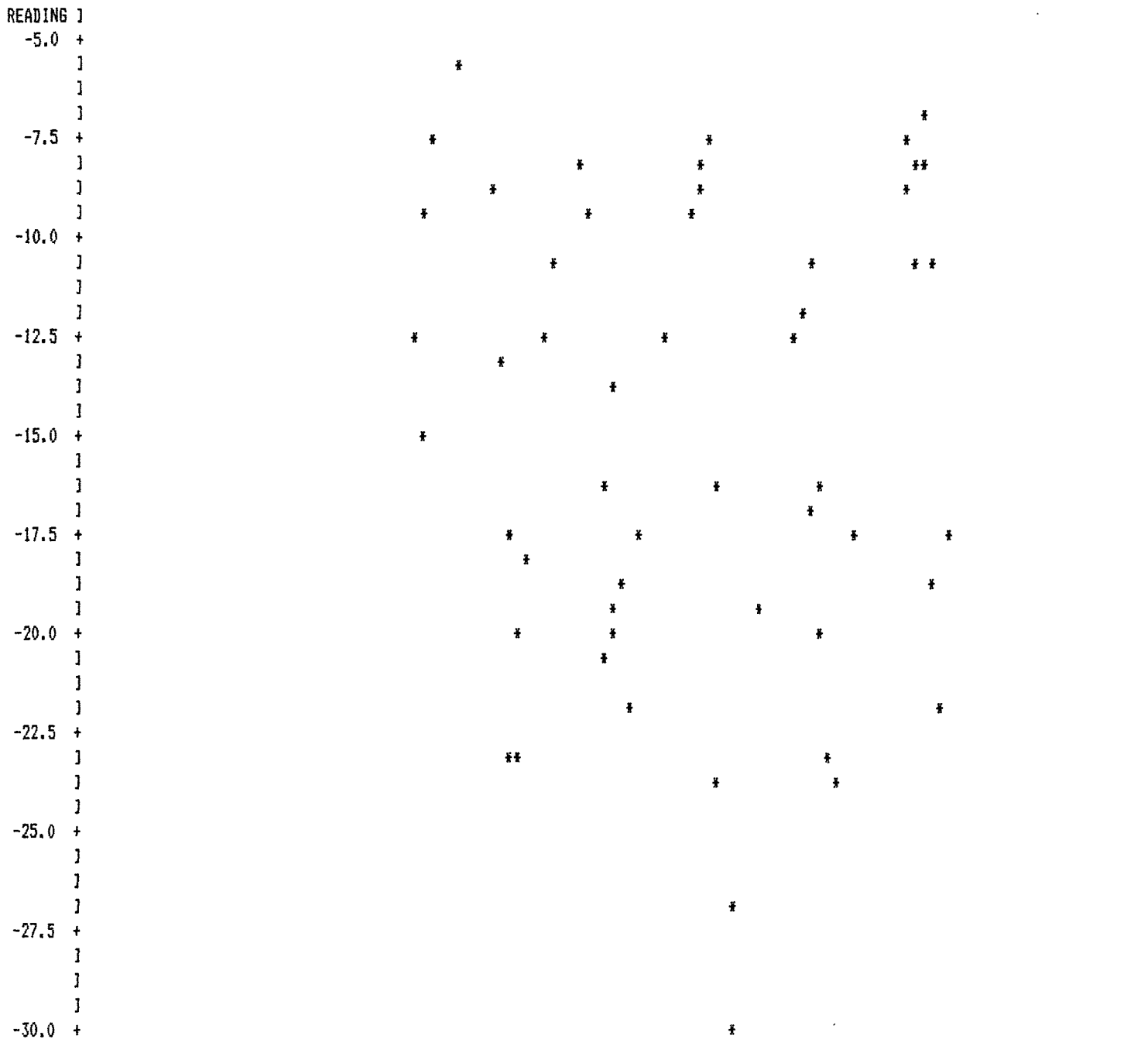
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NOTE: 3 OBS HIDDEN

NOTE: 5 OBS HIDDEN

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RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT

APPLICATION NO. 5047-3, City of Hecla

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 5047-3, City of Hecla, Box 188, Hecla SD.

The Chief Engineer is recommending APPROVAL of Application No. 5047-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

See the attached report for additional information.



JOHN HATCH, Chief Engineer
March 27, 1985

Instruction to Newspaper - Publish first publication of the following Notice on or before April 4, 1985 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. **5047-3** to Appropriate Water
and/or to Amend Water Permit or Water Rights No. _____

Notice is hereby given that City of Hecla whose mailing address is
Box 188, Hecla, South Dakota has made an application for a permit

to appropriate 0.10 cfs from the city wells and to add one existing well. This permit along with permit No. 1903-3 allows the City to divert 0.40 cfs from 4 wells. The location of the well to be added is SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 22, T128N-R61W. The water will be used for municipal purposes.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. **5047-3** because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Civil Defense Room, Basement of Capitol Building, Pierre, SD on May 15 1985 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to make a determination on this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the Applicant and the Chief Engineer by May 3, 1985. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reason for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17, 46-5-1 thru 46-5-16, 46-5-24, 46-5-25, 46-5-30.2, 46-5-31; 46-2A-1 thru 46-2A-10, 46-2A-12; (ground) 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; (future use) 46-5-38 thru 46-5-40; (transfer lands) 46-5-30.4, 46-5-33 thru 46-5-35, (10,000 AFA) 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; (future use) 74:02:01:24 thru 74:02:01:25; (10,000 AFA) 74:02:01:15:02 thru 74:02:01:15:05.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by May 3, 1985.

WATER RIGHTS DIVISION
(605) 773-3352

April 30, 1985

City of Hecla
Box 188
Hecla, South Dakota 57446

ATTENTION: Gayle Lloyd

Dear Ms. Lloyd:

I spoke with the Hecla Independent today and they told me they were unable to publish the notice for application No. 5047-3 the required 2 weeks. We will send them a notice to publish for the July 10 & 11, 1985 Water Management Board meeting. If you have any questions please contact me.

Thank you,

Kevin C. Larson
Natural Resources Engineer

KCL:ms

No. 5047-3

Instruction to Newspaper - Publish first publication of the following Notice on or before May 23, 1985 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5047-3 to Appropriate Water
and/or to Amend Water Permit or Water Rights No. _____

Notice is hereby given that City of Hacla whose mailing address is Box 188, Hacla,, South Dakota has made an application for a permit

to appropriate 0.10 cfs from the city wells and to add one existing well. This permit along with permit No. 1903-3 allows the City to divert 0.40 cfs from 4 wells. The location of the well to be added is SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 22-T128N-R61W. The water will be used for municipal purposes.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5047-3 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Civil Defense Room, Basement, Capitol Building, Pierre, SD, July 10, 1985 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to make a determination on this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the Applicant and the Chief Engineer by June 28, 1985. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reason for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17, 46-5-1 thru 46-5-16, 46-5-24, 46-5-25, 46-5-30.2, 46-5-31; 46-2A-1 thru 46-2A-10, 46-2A-12; ~~(ground)~~ 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; ~~(future use) 46-5-38 thru 46-5-40; (transfer lands) 46-5-30.4, 46-5-33 thru 46-5-35; (10,000 AFA) 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; (future use) 74:02:01:24 thru 74:02:01:25; (10,000 AFA) 74:02:01:15:02 thru 74:02:01:15:05.~~

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNr, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by June 28, 1985.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Brown) ss.

I, Dale Groop hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Hecla Independent

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

Maple River Publishing Co. of Frederick

County of Brown and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

May 29, 1985

June 6, 1985

Dale Groop
(Signature)

Publisher
(Title)

June 7, 1985
(Date Signed)

Cost of Printing: _____

90 lines x .2284 = 20.556 x 80%
= 16.4448 + 20.556 = \$37.00

NOTICE OF HEARING
on Application No. 5047-3 to
Appropriate Water

Notice is hereby given that City of Hecla whose mailing address is Box 188, Hecla, South Dakota has made an application for a permit to appropriate 0.10 cfs from the city wells and to add one existing well. This permit along with permit No. 1903-3 allows the City to divert 0.40 cfs from 4 wells. The location of the well to be added is SE¼SE¼ Section 22-T128N-R61W. The water will be used for municipal purposes.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends **APPROVAL** of Application No. 5047-3 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Civil Defense Room, Basement, Capitol Building, Pierre, SD, July 10, 1985 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to make a determination on this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the Applicant and the Chief Engineer by June 28, 1985. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reason for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17, 46-5-1 thru 46-5-16, 46-5-24, 46-5-25, 46-5-30.2, 46-5-31; 46-2A-1 thru 46-2A-10, 46-2A-12; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWR, Joe Foss Bldg. Pierre, SD (605-773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by June 28, 1985.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

SEP 11 1985

Matt Caspers
City of Hecla
Box 188
Hecla SD 57446

Dear Mr. Caspers:

Enclosed is your Water Permit No. 5047-3 as approved by the Water Management Board authorizing the water diversion system and apply the water to beneficial use, not exceeding the limits as specified in the Water Permit.

We will schedule an inspection so that the Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ks

enclosure

REPORT ON INSPECTION OF PERMIT NO. 5047-3

Other permit(s) associated with the project: Vested Right # 1903-3

DATE OF INSPECTION: November 11, 1995

NAME & ADDRESS OF INSPECTION CONTACT/ Delwyne Tisher

RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: Water Superintendent

NAME & ADDRESS OF PERMIT HOLDER: City of Hecla, PO Box 188, Hecla SD 57446

DIVERSION POINT LEGAL LOCATION: 100 feet north & 120 feet west of the SE corner of
Section 22-T128N-R68W (SE 1/4 SE 1/4)

WELL INFORMATION:

- 1) Well Drilling Firm: Independent Drilling Co.
- 2) No. of Wells 1
- 3) Depth(s) 99 feet
- 4) Well log is available yes
- 5) Comment: none

Casing:

- 1) Diameter 10 inches
- 2) Length 86 feet
- 3) Type Schedule 40 PVC

Screen:

- 1) Type Johnson Stainless Steel
- 2) Length 15 feet
- 3) Static water level 30 feet

Pump:

- 1) Make Jacuzzi 3 inch submersible
- 2) Model XXXX
- 3) Size 3 inch
- 4) Capacity 75 GPM

Motor:

- 1) Make Franklin electric
- 2) Model No. XXXXX
- 3) Horsepower rating 3 hp

DISTRIBUTION LINES OR CANALS:

- 1) Type
- 2) Size 4 inches
- 3) Length XXXX feet

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Soil and water permit lands agree with lands being irrigated and lands listed on permit N/A
- 2) Special qualifications to permit being abided by yes
- 3) All structures, wells and lands on map yes
- 4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period N/A

COMMENTS:

This well (Well #5) was drilled to replace Wells #2 & #3, which are available for stand by use. So now Wells #4 & #5 are used in the City's system, with a total capacity of 0.33 cfs or 150 gpm (75 gpm each). Vested Right # 1903-3 authorized Wells #2, #3 & #4 with a diversion rate of 0.30 cfs (135 gpm). Water Permit #5047-3 was issued for 1 additional well and an additional 0.10 cfs for a total diversion rate for the City of Hecla equal to 0.40 cfs (180 gpm). Water Permit #5047 should be licensed for only 0.03 cfs or 15 gpm (150 gpm -135 gpm).

Permit No. 5047-3
James River - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, November 11, 1995, made a thorough examination of the water use system constructed by City of Hecla of PO Box 188, Hecla SD 57446 holder of Permit No. 5047-3, bearing the priority of February 14, 1985 authorizing the diversion of 0.10 cu. ft. per second of the waters of ground water for Municipal purposes, in Brown County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

Jacuzzi 3 inch submersible pump with 5 Hp Franklin electric motor

B. Works used to transport water to place of use:

4 inch pipe to 100,000 gal. reservoir

C. Works used to apply water to beneficial use:

City distribution system

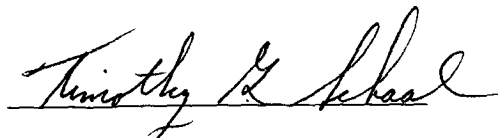
The system is in the following condition **GOOD**. The point of diversion is located 100 feet north & 120 feet west of the SE corner of Section 22-T128N-R68W (SE 1/4 SE 1/4). The works are capable of diverting and conveying to the place of use 0.17 (75gpm) cu. ft. per second of water which is to be used for Municipal. Water has been put to beneficial use to the maximum extent as follows:

Use in City of Hecla water distribution system

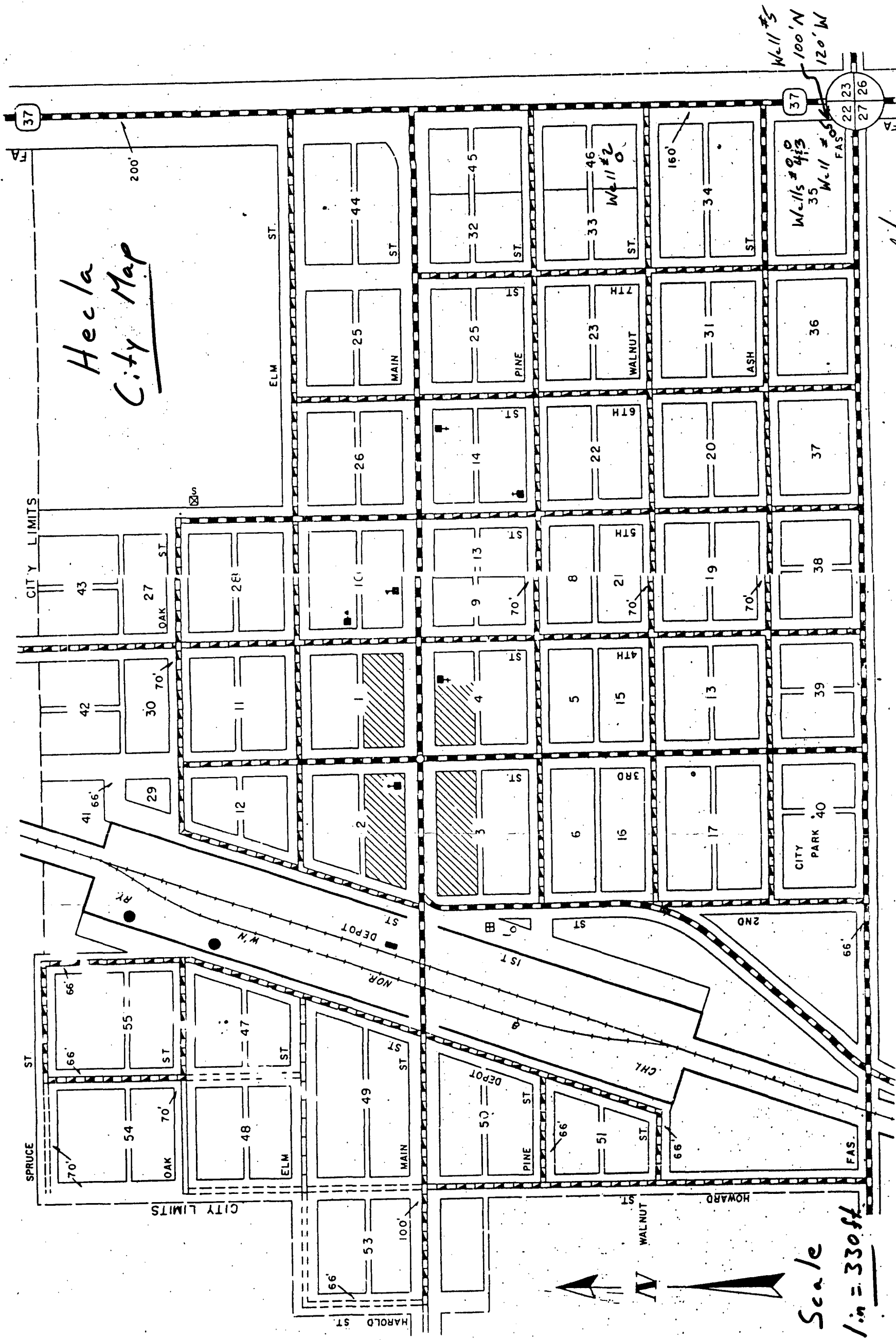
and the license should be issued for 0.03 (15 gpm) cfs. **NOTE: See Comments Section on Inspection Report.**

Applicable permit qualifications have been complied with: Yes **X**

Exceptions to compliance are: none Date Report Completed: March 28, 1996



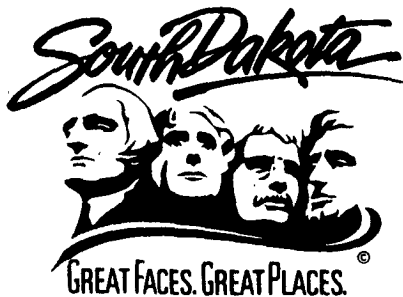
Timothy G. Schaal, P.E.
Natural Resources Engineer
DENR, Water Rights Program



Anthony J. Schaefer
March 28, 1996

T 128N-R 68W

5047-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

April 26, 1996

5047-3

Delwyn Tisher, Water Superintendent
City of Hecla
P.O. Box 188
Hecla, SD 57446

Dear Mr. Tisher:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 5047-3, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

**Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181**

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

NOV 12 1997

5047-3

Gayle Lloyd, Finance Officer
City of Hecla
P.O. Box 188
Hecla, SD 57446

Dear Ms. Lloyd:

Enclosed is Water License No. 5047-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 414948 in the amount of \$50.00 which you paid for the investigation and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 5047-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605) 773-3352

ks
enclosures

RECEIPT

414948

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____, May 8, 19 96

RECEIVED OF City of Hecla, P.O. Box 188, Hecla, SD 57446

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>5047-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By John Hatch 
Chief Engineer

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5047-3

(1) The City of Hecla, PO Box 188, Hecla SD 57446 made Application No. 5047-3, February 14, 1985 for a water permit to divert 0.10 cubic feet of water per second (cfs) from groundwater, Brown County, South Dakota for municipal use purposes. Permit No. 5047-3, with a priority date of February 14, 1985 was approved July 10, 1985 and issued to the applicant for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

Vested Water Right No. 1903-3 authorized use of 0.30 cfs from Wells #2, #3 and #4. Water Permit No. 5047-3 was obtained to add one well (Well #5) to the distribution system and authorize an additional 0.10 cfs from all four wells.

A November 11, 1995 investigation of the water use system found Wells # 4 and #5 being used by the city with Wells #2 and #3 available for standby use. The wells have a combined capacity of 0.33 cfs (150 gpm). With a total of 0.30 cfs authorized under Vested Water Right No. 1903-3, Water License No. 5047-3 will authorize the remaining 0.03 cfs utilized by the city.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.03 cubic feet of water per second for beneficial use. The location of the diversion points are: Well # 4 - 200 feet north and 260 feet west; Well #5 - 100 feet north and 120 feet west; both from the southeast corner of Section 22-T128N-R68W (SE 1/4 SE 1/4).

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(4) Pursuant to South Dakota Water Law 46-5-30.1 the City of Hecla, PO Box 188, Hecla SD 57446 the holder and/or owner of Water Permit No. 5047-3 is issued a license to appropriate water, the right to use 0.03 cubic feet of water per second from groundwater (two wells) with a priority date of February 14, 1985 from the location specified in (2) of this license, for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Water Permit No. 5047-3 and subject to South Dakota State Law.



JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

NOV 12 1997

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

June 3, 2002

City of Hecla
Ron Corliss, Mayor
PO Box 188
Hecla SD 57446-0188

Dear Mayor Corliss:

I am writing in regard to a well driller's report filed by Lenius Well Drilling. The report shows a new well was completed for the City of Hecla on May 7, 2002. A review of our files indicates that the city holds Water Right Nos. 1903-3 and 5047-3. A November 11, 1995 investigation of the city's water use system found Wells #4 and #5 being used with Wells #2 and #3 available for standby use. The wells have a combined capacity of 0.33 cubic feet of water per second (150 gallons per minute).

South Dakota Codified Law 46-5-13.1 provides that a point of diversion may be changed or additional points of diversion may be approved without application or publication of a notice of hearing if the additional point of diversion is from the same source of water, no additional water is appropriated and the Chief Engineer makes a finding that the change does not increase the potential for interference with existing diversions.

If this well increases the city's ability to divert water to meet the community water needs, this constitutes a new appropriation of water and will require a new water right permit. If this is the case, we can send you the necessary application forms.

Please let us know if this well is an additional well or a replacement well and if any additional water is being appropriated. If you have any questions, please contact Eric Gronlund or me. We will be happy to assist you in any way possible.

Sincerely,

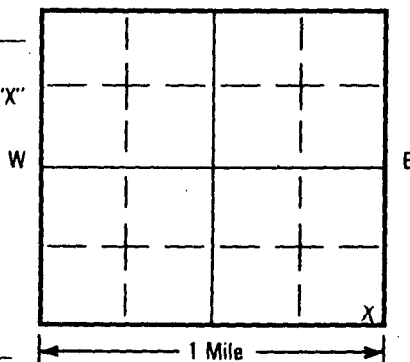
Karen Schlaak
Water Rights Program
605 773-3352

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location S 1/4 SE 1/4 Sec 22 Twp 128 Rg 61
County Brown North

Please mark well location with an "X"



Well Completion Date

5-7-02

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from _____ (identify source).

PROPOSED USE:

☐ Domestic/Stock ☒ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Forward RotaryCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>200</u> LB/FT	<u>8</u> IN	<u>0</u> FT	<u>89</u> FT	<u>14</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Atlet Cement</u>	<u>11</u>	<u>94-6</u> lb./gal	<u>29</u> ft	<u>7</u> ft
<u>Vodex</u>	<u>11</u>	<u>23-1</u> lb./gal	_____ ft	_____ ft

Describe grouting procedure Pumped Grout Through
Traverse lineSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 8 IN Length 10 FEETMaterial PCSlot Size .030 Set From 89 Feet to 99 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

YES, How: Put in ChlorineNO, Why Not? Chlorine

Laboratory sent to for water quality analysis

SJD ABBChlorine washed in with
Chlorinated WaterWell Owner: Hecla City

Business Name: _____

Address: Hecla, S.D.

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>1</u>
<u>Fine yellow sand</u>	<u>1</u>	<u>8</u>
<u>Yellow clay</u>	<u>8</u>	<u>20</u>
<u>Blue clay</u>	<u>20</u>	<u>75</u>
<u>Blue clay & sand</u>	<u>75</u>	<u>86</u>
<u>Coarse</u>	<u>86</u>	<u>88</u>
<u>Medium sand</u>	<u>88</u>	<u>99</u>
<u>Blue clay</u>	<u>99</u>	

STATIC WATER LEVEL 29.5 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ PumpedDescribe: Set Test Pump☐ Bailed☐ Other

Pumping Level Below Land Surface

90' ft. After 3 Hrs. pumped 90 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

RECEIVED

MAY 16 2002

WATER RIGHTS
PROGRAMThis well was drilled under license # 209

And this report is true and accurate.

Drilling firm Hecla Well Drilling

Signature of License Representative:

Walter Lerner

Signature of Well Owner or Equitable Property Holder:

Delwyn LernerDate: 5-14-02

Water Rights Program - File Documentation

NAME: Ron Corliss, Mayor

ADDRESS: City of Hecla

DATE: 6-18-02 **COUNTY:** BN **TELEPHONE:**

RE: Well Completion Report

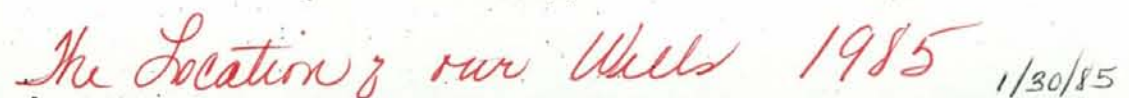
COMMENTS:

Ron Corliss, Mayor of Hecla called regarding my letter dated June 3, 2002 regarding the new well drilled for this city.

Mr. Corliss stated that Wells # 2 and 3 have been plugged and new well drilled on May 7, 2002 was a replacement well for those two wells. This well will be for standby use.



Karen Schlaak
Environmental Scientist



Assumed
Scale - 1" = 300 feet

